What are Volumes?

- A Volume is a storage space attached to a Pod.

- When a container restarts, its file system resets. Volume keeps the data safe.

- Think of volume as an external USB drive plugged into your container.

Why Use Volumes?

- For data persistence across container restarts.

- For sharing data between multiple containers in a Pod.

PV (Persistent Volume)

- Cluster-wide storage resource.
- Created by admin.
- It represents actual physical storage.

PVC (Persistent Volume Claim)

- User requests storage using PVC.
- PVC "claims" a matching PV.
- Think of PV = Room 📦, PVC = Room Booking Request 🧾.